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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Name of Applicant: CATALYTIC DISTILLATION TECHNOLOGIES
Address of Applicant: 10100 Bay Area Boulevard
Pasadena, Texas 77507

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND SUBSTITUTION
OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36

Dear Sir:

Pursuant to 37 C.F.R. §1.36, CATALYTIC DISTILLATION TECHNOLOGIES, the applicant of the patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 70312

Please direct all correspondence and telephone calls concerning the patent applications listed on the attached APPENDIX A to the address associated with Customer Number 70312.

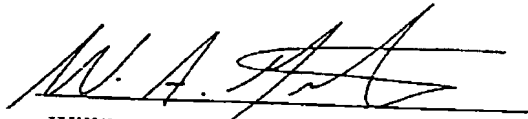
Further, please change the attorney/docket number corresponding to the patent applications listed in APPENDIX A from the attorney/docket number on file to that indicated on APPENDIX A.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified applicant.

- 1 -

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature:



Dated:

8 May 2007

Name:

Willibrord A. Groten

Title:

Managing Director

Catalytic Distillation Technologies

233793_1

APPENDIX A

1. **Patent Application/Serial No.:** 11/650,874
Title: TREATMENT OF OLEFIN FEED TO
PARAFFIN ALKYLATION
Filed: 01/08/2007
Assignee: Catalytic Distillation Technologies
Reel/Frame No.: 018778/0806
Reference No: 17344/172001 (CDT 1996)
2. **Patent Application/Serial No.:** 11/107,667
Title: DOUBLE BOND
HYDROISOMERIZATION PROCESS
Filed: 04/15/2005
Assignee: Catalytic Distillation Technologies
Reel/Frame No.: 016690/0132
Reference No: 17344/171001 (CDT 1991)
3. **Patent Application/Serial No.:** 10/635,763
Title: DUAL PRESSURE CATALYTIC
DISTILLATION HYDROGENATIO
COLUMN SYSTEM FOR THE FRONT
END OF AN ETHYLENE PLANT
Filed: 08/05/2003
Assignee: Catalytic Distillation Technologies
Reel/Frame No.: 017671/0194
Reference No: 17344/168001 (CDT 1985)

APPENDIX A (cont'd)

4. **Patent Application/Serial No.:** 11/544,172
Title: BENZENE REMNAL FROM FCC
NAPHTHA
Filed: 10/06/2006
Assignee: Catalytic Distillation Technologies
Reel/Frame No.: 018400/0494
Reference No: 17344/167001 (CDT 1973)
5. **Patent Application/Serial No.:** 11/473,937
Title: PARAFFIN ALKYLATION
Filed: 06/23/2006
Assignee: Catalytic Distillation Technologies
Reel/Frame No.: 018032/0143
Reference No: 17344/159001 (CDT 1941)

242699_1 (Group 34)